

JUN 20 2007



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DATE: June 20, 2007

FILE NUMBER: 17344/123001 (CDT 1792)

TO: USPTO  
Commissioner for Patents

FAX NUMBER: 571-273-8300

FROM: Jeffrey S. Bergman/ATG/rcb

PAGES INCLUDING COVER: 5

RE: Revocation and Substitution of Power of Attorney  
Patent Application/Serial No. 09/977,666

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☐ URGENT    ☐ FOR REVIEW    ☐ PLEASE COMMENT    ☐ PLEASE REPLY    ☐ PLEASE RECYCLE

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NOTES/COMMENTS:

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Name of Applicant: CATALYTIC DISTILLATION TECHNOLOGIES  
Address of Applicant: 10100 Bay Area Boulevard  
Pasadena, Texas 77507

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**REVOCATION AND SUBSTITUTION  
OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36**

Dear Sir:

Pursuant to 37 C.F.R. §1.36, CATALYTIC DISTILLATION TECHNOLOGIES, the applicant of the patent applications listed on the attached APPENDIX A, revokes all previous powers of attorney in the patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 70312

Please direct all correspondence and telephone calls concerning the patent applications listed on the attached APPENDIX A to the address associated with Customer Number 70312.

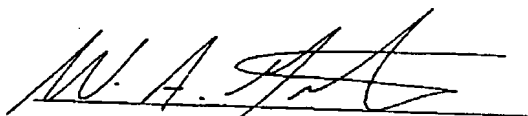
Further, please change the attorney/docket number corresponding to the patent applications listed in APPENDIX A from the attorney/docket number on file to that indicated on APPENDIX A.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified applicant.

- 1 -

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the patent applications listed on the attached APPENDIX A or any patents issuing thereon.

Signature:



Dated:

8 May 2007

Name:

Willibrord A. Groten

Title:

Managing Director

Catalytic Distillation Technologies

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**APPENDIX A**

1. **Patent Application/Serial No.:** 07/632,478  
**Title:** APPARATUS OF ALKYLATION USING ALKANES AND OLEFINS  
**Filed:** 12/24/1990  
**Assignee:** Chemical Research & Licensing  
**Reel/Frame No.:** 5900/0647  
**Reference No:** 17344/013001 (CDT 1161)
  
2. **Patent Application/Serial No.:** 10/827,648  
**Title:** PULSE FLOW REACTION  
**Filed:** 04/19/2004  
**Assignee:** Catalytic Distillation Technologies  
**Reel/Frame No.:** INSERT  
**Reference No:** 17344/132002 (CDT 1839 Div)  
**Parent No.** 60/334,560
  
3. **Patent Application/Serial No.:** 09/977,666  
**Title:** HYDROGENATION CATALYST AND HYDROGENATION PROCESS  
**Filed:** 10/15/2001  
**Assignee:** Catalytic Distillation Technologies  
**Reel/Frame No.:** 012269/0269  
**Reference No:** 17344/123001 (CDT 1792)

**APPENDIX A (cont'd)**

4. **Patent Application/Serial No.:** 10/219,877  
**Title:** PARAFFIN ALKYLATION  
**Filed:** 08/15/2002  
**Assignee:** Catalytic Distillation Technologies  
**Reel/Frame No.:** 013199/0646  
**Reference No:** 17344/118001 (CDT 1769)  
**Parent No.** 60/313,987
5. **Patent Application/Serial No.:** 08/268,811  
**Title:** REDUCTION OF NITRITE  
CONTAMINANTS BY SELECTIVE  
HYDROGENATION  
**Filed:** 06/30/1994  
**Assignee:** Chemical Research & Licensing Co.  
**Reel/Frame No.:** 7063/0585  
**Reference No:** 17344/035001 (CDT 1322)

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